	Application No.	Applicant(s)
Mating of Allowskiller	09/484,799	BARKER ET AL.
Notice of Allowability	Examiner	Art Unit
	Carol Chaney	1745
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	plication. If not included will be mailed in due course. THIS
1. This communication is responsive to 6-9-04.		
2. The allowed claim(s) is/are 179-224.		
3. The drawings filed on 25 July 2002 are accepted by the Ex	aminer.	
4. ☐ Acknowledgment is made of a claim for foreign priority una a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" on the delow. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submited in INFORMAL PATENT APPLICATION (PTO-152) which give (a) ☐ including changes required by the Notice of Draftspers 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the cathed Examiner's comment regarding REQUIREMENT is attached Examiner's comment reg	been received. been received in Application No cuments have been received in this communication to file a reply ENT of this application. itted. Note the attached EXAMINER es reason(s) why the oath or declarate the submitted. on's Patent Drawing Review (PTO- a Amendment / Comment or in the Comment or in the Comment of BIOLOGICAL MATERIAL resist of BIOLOGICAL MATERIAL resist of BIOLOGICAL MATERIAL resisted in the design of the submitted of the design of the submitted of BIOLOGICAL MATERIAL resists of BIOLOGICAL MATERIAL resists of BIOLOGICAL MATERIAL resists of BIOLOGICAL MATERIAL resists of the submitted in the submitted of the submitted	national stage application from the complying with the requirements. 'S AMENDMENT or NOTICE OF stion is deficient. 948) attached Office action of the back) of d). must be submitted. Note the
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. Interview Summary Paper No./Mail Dat 8), 7. Examiner's Amendr	te

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Allowable Subject Matter

Claims 179-227 are allowed.

The following is an examiner's statement of reasons for allowance: Applicants' arguments filed 09 June 2004 are persuasive. In reconsideration of the prior art of Armand et al., it is noted that Armand et al. appears to disclose two embodiments of their olivine cathode invention. The first is an "ordered olivine compound" of the form LiMPO₄ where 'M' is transition metal cation or a combination of transition metal cations. These cations are reduced/oxidized by charge-compensating electrons supplied by the external circuit of the battery. (See Armand et al. US Patent 6,514,640 column 2, lines 14-24.) Applicants' invention is distinct from the first embodiment of the Armand et al. invention because applicants' inventive olivine compound requires 'M' in the formula LiMPO₄ to include Mg, which is not suggested by Armand et al. because it is not available for oxidation/ reduction by the external circuit of the battery. The second embodiment of the Armand et al. invention is a modified olivine. The modified olivine disclosed by Armand et al. is an olivine structure modified on either the anionic sites and cationic sites. Pristine olivine structures modified on both the anionic and the cationic sites are also envisioned. (See Armand et al., column 2, lines 43-54.) However, the Armand modified olivine structures imply the following conditions for site occupancy and electroneutrality: (see column 12, lines 34-44.)

0 <u><</u>x <u><</u>1;

y+d+t+q+r < 1;

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P+s+v<1; and

3+s-p=x-y+t+2q+3r.

As has been discussed on the record, the Armand et al. materials are distinct from applicants' invention because applicants inventive cathode materials do not meet these conditions.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Carol Chaney whose telephone number is (571) 272-1284. The examiner can normally be reached on Mon - Fri 8:30am-5:00pm.

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Carol Chaney

Primary Examiner Art Unit 1745

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21 March 2005